

R19IHAT-66EX-T

19" 800 nits ATEX Panel PC with Intel® Core™ i5-1135G7



KEY FEATURES

- 19" 800 nits LCD ATEX Panel PC
- Class 1, Division 2 & ATEX Zone 2 certified for hazardous area applications
- Intel® 11th Tiger Lake Core™ i5-1135G7 Processor
- Fanless design with streamlined enclosure for highly efficient heat dissipation
- Intelligent Heater for working in extreme cold environments -40°C



SPECIFICATIONS

| System Specification | | | |
|-------------------------|---|----------------------------|--|
| Processor | Intel Core i5-1135G7 2.4GHz (up to 4.2GHz) Intel Core i7-1165G7 2.8GHz (up to 4.70 GHz) (Optional) Intel Core i3-1115G4E 3.0GHz (up to 3.90 GHz) (Optional) Intel Core i5-1145G7E 2.6GHz (up to 4.10 GHz) (Optional) Intel Core i7-1185G7E 2.8GHz (up to 4.40 GHz) (Optional) | Memory | 1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) 2 x SO-DIMM, DDR4 3200 MHz, 4GB (Optional) 8GB (Optional) 16GB (Optional) 32GB (Optional) 64GB (Optional) |
| Storage | 1 x M.2 M-Key 2242 SATA SSD or 1 x M.2 M-Key 2280 NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB(for NVMe) (Optional) 2TB(for NVMe) (Optional) 4TB(for NVMe) (Optional) 1 x SATA III , up to 2TB (Optional) | Ethernet controller | 2 x Intel® Ethernet Controller |
| Security | TPM 2.0 | Operating System | Windows 11 IoT Enterprise SAC (64 bit) (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional) Linux Ubuntu 22.04 (Optional) |
| Display | | | |
| Touch / Glass | Projected Capacitive Multi Touch Screen Bonding With Panel | Resolution | 1280x1024 |
| Size | 19 inches | Contrast Ratio | 1000:1 |
| Panel Brightness | 800 nits 1000 nits(Optional) | View Angles | 85,85,80,80 |
| Active Area | 376.32x301.06 mm | | |
| Mechanical | | | |
| Dimension | 474 x 410 x 111 mm | Mounting | Panel mount VESA Mount |
| Enclosure | Aluminum Housing | Cooling System | Fanless design |
| Cut out | 462 x 386mm | | |
| Environment | | | |

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|----------------------------|---------------------------------------|------------------------------|--|
| Operating Humidity | 5% to 95% RH, Non-Condensing | Operating Temperature | -40°C to 70°C (with intelligent heater) |
| Storage Temperature | -40°C to 70°C | Shock | MIL-STD-810G Method 516.6 Procedure I |
| Vibration | MIL-STD-810G Method 514.6 Procedure I | IP rating | IP66 Meet Standard IEC60529 (for Non-Hazardous location) IP54 Meet Standard IEC60079 (for Hazardous location) |

Certification

| | |
|----------------------|--|
| Certification | <p>CE, FCC</p> <p>UL 62368-1 CSA C22.2 No. 62368-1-07 EN 62368-1</p> <p>Class I, Div.2, Groups A,B,C,D T4 -40 <= Tamb <= 70 Meet Standards ANSI/ISA-12.12.01-2013 CSA Std. C22.2 No. 213-M1987</p> <p>ATEX II 3G Ex nA ic IIC T4 Gc -40 <= Tamb <= 70 Meet Standards EN 60079-0, EN 60079-11, EN 60079-15</p> <p>IECEX Ex nA ic IIC T4 Gc -40 <= Tamb <= 70 Meet Standards IEC 60079-0, IEC 60079-11, IEC 60079-15</p> |
|----------------------|--|

IO Ports

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|-----------------------|---|-----------------|--|
| Power Input | 1 x 9~36V DC, 3-Pin Terminal Block | USB Port | 1 x USB2.0, 4-Pin Terminal Block 1 x USB 3.2 Gen1x1 (Type A, only used in safe area) 2 x USB2.0 (Type A, only used in safe area) |
| Serial Port | 1 x RS232/422/485, 10-Pin Terminal Block 1 x DB9 RS232(only used in safe area) | Video | 1 x DB15 VGA(only used in safe area) |
| Expansion Port | 1 x M.2 2232 E-Key Slot (for Wifi module) 1 x M.2 2242/2280 M-Key Slot (for NVME SSD or SATA III SSD) (SATAIII is only available when M.2 NVMe is not in use) | LAN | 1 x LAN, , 8-Pin Terminal Block 1 x RJ45(only used in safe area) |
| Indicator | 1 x LED Indicator for power 1 x LED Indicator for storage 1 x LED Indicator for heater 1 x LED Indicator for LAN 1 x LED Indicator for lock touch | Gland | 2 x EX-Type Brass Cable Gland M16 (Cable range 7.5~10.2mm) 3 x EX-Type Brass Cable Gland M12 (Cable range 5.4~8mm) |

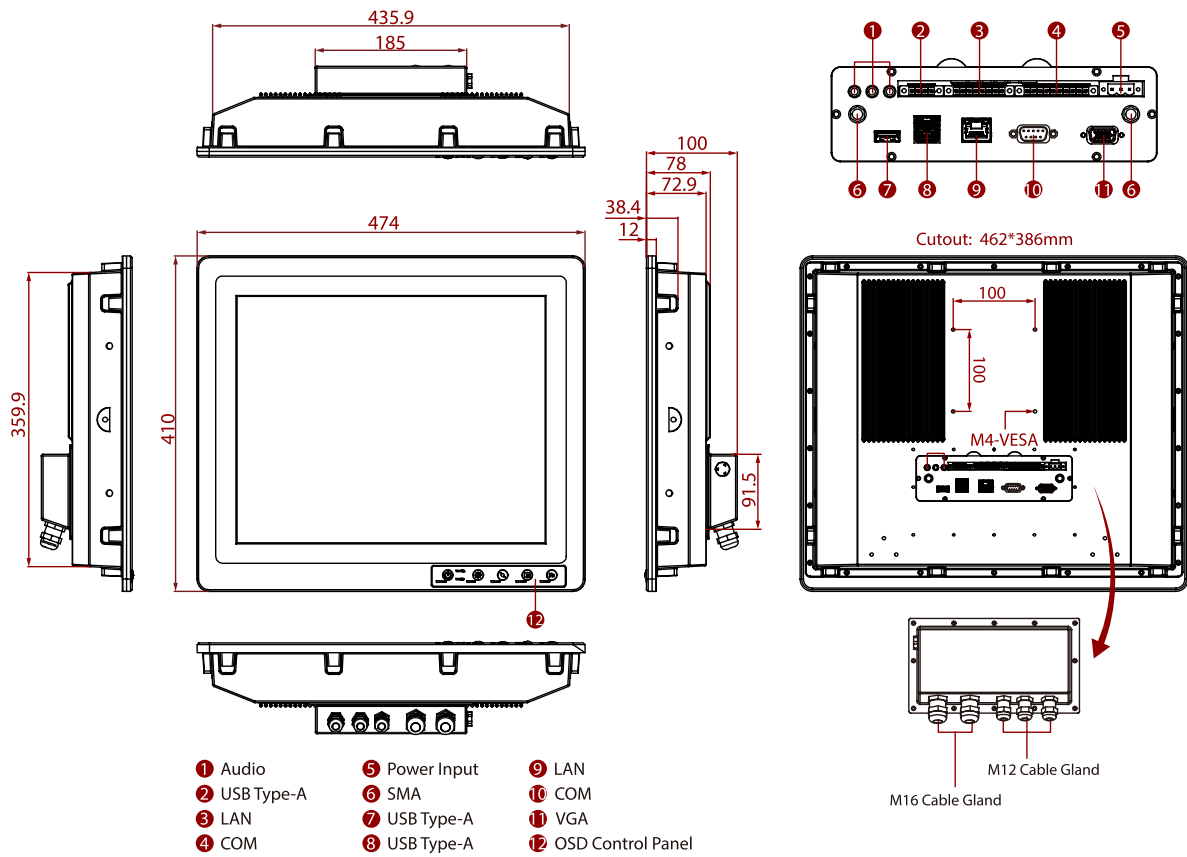
Control

| | |
|---------------|--|
| Button | 1 x Power Button 1 x Brightness up Button 1 x Brightness down Button 1 x Button for locking touch function 1 x Programmable function key |
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Accessory

| | | | |
|------------------|--|---------------------------|---|
| Accessory | <p>24V 150W AC to DC Adapter Power cord Open wired power cable for M12 cable Gland Open wired USB cable for M12 cable Gland Open wired LAN/COM cable for M16 cable Gland VESA Mounting Screws Mounting Clips & Screws 3 Pins Terminal Block For Power 8 Pins Terminal Block For LAN 4 Pins Terminal Block For USB 10 Pins Terminal Block For COM</p> | Optional Accessory | SMA male to female extension cable for M12 cable Gland (Optional) |
|------------------|--|---------------------------|---|

DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.

Assured Systems

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